

WHAT IS CLAIMED IS:

1. An automatic sound transmitting method of a cellular phone in acknowledgment of a response of the other party when calling up, comprising the steps of:

5 receiving a signal sent from a base station corresponding to a response of the other party to a call setup operation from a key-input section of a cellular phone;

reproducing audio data previously recorded and stored in a memory or synthetic audio data previously stored in a memory;

10 transmitting the reproduced audio data to the other party via a radio transmitter/receiver; and

automatically terminating the call or disconnecting after the reproduction and transmission of the audio data are completed.

2. An automatic sound transmitting method of a cellular phone in acknowledgment of a response of the other party when calling up as claimed in claim 1, wherein contents of the reproduced audio data are displayed on a display as text data during the transmission.

3. An automatic sound transmitting method of a cellular phone in acknowledgment of a response of the other party when calling up as claimed in claim 1, wherein the reproduction of the audio data can be designated during the call including the point of time of reception.

4. An automatic sound transmitting method of a cellular phone in acknowledgment of a response of the other party when calling up as claimed in claim 2, wherein the reproduction of the audio data can be designated during the call including the point of time of reception.

5. An automatic sound transmitting method of a cellular

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phone in acknowledgment of a response of the other party when calling up, comprising the steps of:

- 5 receiving a signal sent from a base station corresponding to a response of the other party to a call setup operation from a key-input section of a cellular phone;
- reading out text data stored in a memory;
- converting the text data into audio data at a text-to-speech converter;
- 10 transmitting the converted audio data to the other party via a radio transmitter/receiver; and
- automatically terminating the call or disconnecting after the transmission of the audio data is completed.

6. An automatic sound transmitting method of a cellular phone in acknowledgment of a response of the other party when calling up as claimed in claim 5, wherein contents of the text data are displayed on a display during the transmission.

7. An automatic sound transmitting method of a cellular phone in acknowledgment of a response of the other party when calling up as claimed in claim 5, wherein the readout of the text data can be designated during the call including the point of time of reception.

8. An automatic sound transmitting method of a cellular phone in acknowledgment of a response of the other party when calling up as claimed in claim 6, wherein the readout of the text data can be designated during the call including the point of time of reception.

9. An automatic sound transmitting method of a cellular phone in acknowledgment of a response of the other party when calling

up as claimed in claim 7, further comprising the steps of:
indicating completion of the transmission on the display after
5 the transmission of the converted audio data is finished;
reading out another item of text data stored in the memory and
supplying the text data to the text-to-speech converter while retaining
the call;
converting the text data into audio data at the text-to-speech
10 converter; and
sending the converted audio data to the radio
transmitter/receiver in succession.

10. An automatic sound transmitting method of a cellular phone in acknowledgment of a response of the other party when calling up as claimed in claim 8, further comprising the steps of:
indicating completion of the transmission on the display after
5 the transmission of the converted audio data is finished;
reading out another item of text data stored in the memory and
supplying the text data to the text-to-speech converter while retaining
the call;
converting the text data into audio data at the text-to-speech
10 converter; and
sending the converted audio data to the radio
transmitter/receiver in succession.

11. A cellular phone comprising:
a key-input section for inputting a telephone number when
making a phone call, a text-entry and settings for respective functions;
a radio transmitter/receiver for communicating with a base
5 station by radio;
memories for storing previously recorded audio data and/or

synthetic audio data; and

10 a controller which includes: a means for originating a call of a telephone number when the telephone number and a call up setup are inputted from the key-input section, a means for reading out the previously recorded audio data or the synthetic audio data stored in one of the memories on receipt of a signal sent from the base station corresponding to a response of the other party to the call, a means for sending the read audio data to the radio transmitter/receiver, and a 15 means for terminating the call or disconnecting after the transmission of the read audio data is completed.

12. A cellular phone as claimed in claim 11, further including a means for displaying contents of the reproduced audio data on a display as text data during the transmission.

13. A cellular phone as claimed in claim 11, further including a means for designating the reproduction of the audio data during the call including the point of time of reception.

14. A cellular phone as claimed in claim 12, further including a means for designating the reproduction of the audio data during the call including the point of time of reception.

15. A cellular phone comprising:

a key-input section for inputting a telephone number when making a phone call, a text-entry and settings for respective functions;

5 a radio transmitter/receiver for communicating with a base station by radio;

memories for storing inputted character data as text data;

a text-to-speech converter for converting the text data into

audio data; and

10 a controller which includes: a means for originating a call of a telephone number when the telephone number and a call up setup are inputted from the key-input section, a means for reading out the text data stored in one of the memories on receipt of a signal sent from the base station corresponding to a response of the other party to the call and supplying the text data to the text-to-speech converter in order to convert
15 the text data to audio data, a means for sending the converted audio data to the radio transmitter/receiver, and a means for terminating the call or disconnecting after the transmission of the converted audio data is completed.

16. A cellular phone as claimed in claim 15, further including a means for displaying contents of the text data on a display during the transmission.

17. A cellular phone as claimed in claim 15, further including a means for designating the readout of the text data during the call including the point of time of reception.

18. A cellular phone as claimed in claim 16, further including a means for designating the readout of the text data during the call including the point of time of reception.

19. A cellular phone as claimed in claim 17, wherein:
either/both of the memories store plural items of text data; and
the controller further includes: a means for indicating
completion of transmission on the display every time one of the plural
5 items of text data has been converted into audio data and transmitted, a
means for reading out another item of text data stored in one of the

memories while retaining the call and supplying the text data to the text-to-speech converter in order to convert the text data to audio data, and a means for continuously sending the converted audio data to the
10 radio transmitter/receiver.

20. A cellular phone as claimed in claim 18, wherein:
either/both of the memories store plural items of text data; and
the controller further includes: a means for indicating
completion of transmission on the display every time one of the plural
5 items of text data has been converted into audio data and transmitted, a
means for reading out another item of text data stored in one of the
memories while retaining the call and supplying the text data to the
text-to-speech converter in order to convert the text data to audio data,
and a means for continuously sending the converted audio data to the
10 radio transmitter/receiver.

21. A cellular phone as claimed in claim 19, further including
a means for designating the number and order of the text data to be read
out and transmitted to the radio transmitter/receiver in succession.

22. A cellular phone as claimed in claim 20, further including
a means for designating the number and order of the text data to be read
out and transmitted to the radio transmitter/receiver in succession.